

# DuroTech™ -Series

Durable Air Driven Power Unit Technology  
For High Cycle Industrial Applications

- Simple Operation
- Highly Durable – built for high use applications
- High Flow Rate
- User Adjustable Outlet Pressure
- Automatically Maintains Pressure
- 3 Different Output Pressure Models
- Includes 4 Station D03 Manifold



# Air Driven Pump

Shown: WAP30008D with two VMMD-001 Manual Valves



## WAP-Series air-driven pump

These heavy-duty air driven pumps are well suited for use in production applications.

Includes four-station DO3 manifold. Includes pressure-rated cover plates for operation of fewer than four stations.

Optional P&T cross-over plate for use of a remote manifold.

Shown: WAP3008D with two VAT0710D air-operated two-position poppet valves



Shown: WAP30008D with four VP03-11 directional valves



## Industrial, high-cycle, high-flow hydraulic supply in an economical air-powered unit

- Heavy-duty construction, including steel reservoir and protective steel shroud
- Long-life, fully serviceable air motor
- Dual pump action offers high oil capacity and smooth flow
- On-demand stall / restart operation automatically maintains system pressure
- Adjustable hydraulic pressure through built-in air filter / regulator
- Requires no air lubrication
- Reduced noise level (75dBA)
- Standard four-station DO3 manifold

## Key Features

- Extremely durable pump element
- Four-station DO3 manifold with cover plates for unused stations
- Air filter / regulator with built-in air pressure gauge
- 1.8-Gallon all-metal reservoir with easy-access drain plug
- Easy-to-read oil level sight glass



Air shut-off valve



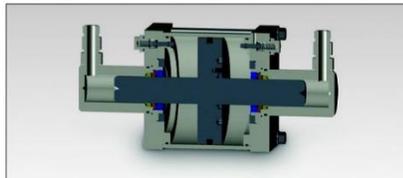
Convenient fill port



Pressure control



Air pressure gauge

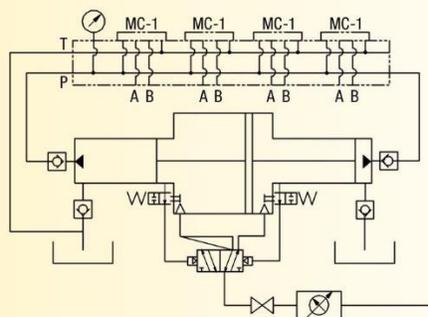


Dual pump with extremely durable element



Removable Metal Shroud

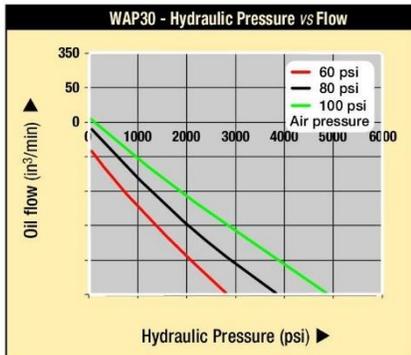
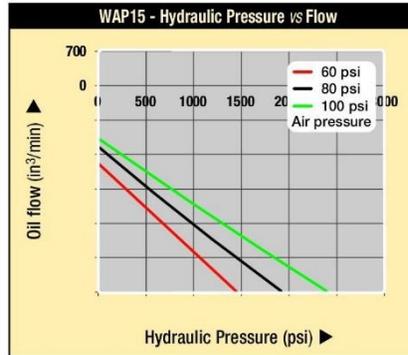
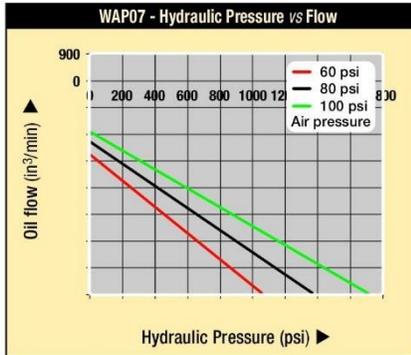
## Internal Schematic



## Operation:

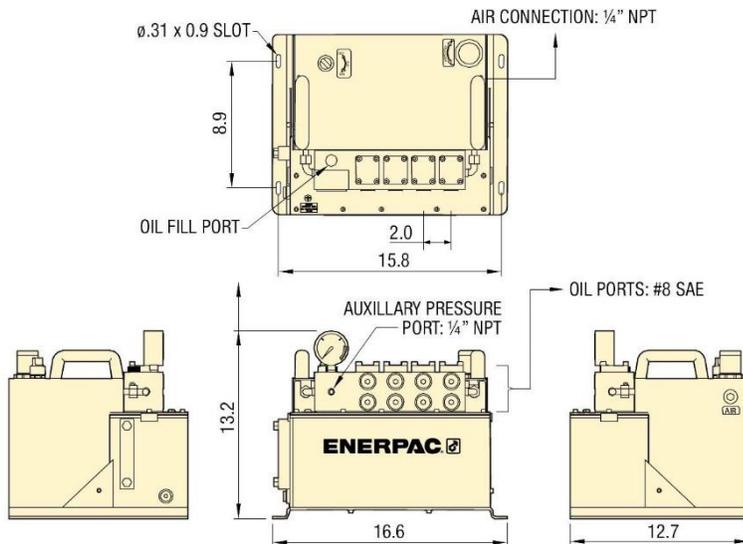
Shop air is connected to the built-in pressure regulator where the operator can adjust the air pressure, that in turn sets the maximum hydraulic oil pressure. The air is ported through a built-in shut-off valve to the air pump. With the shut-off valve open, the pump automatically turns on and off to obtain and then maintain the customer selected pressure.

## Oil Flow vs. Oil Pressure vs. Air Pressure



**NOTE:** Performance is significantly diminished below 50 psi. Performance may vary compared to listed values due to seal friction, internal pressure drops and manufacturing tolerances.

## Product dimensions in inches [ ]



## Product selection

Model number	Ratio	Max Rated Hydraulic Pressure <sup>1)</sup> psi	Air Pressure Range psi	Max Hyd. Press. at 100 psi Air <sup>2)</sup> psi	Max Hyd. Flow at 100 psi Air <sup>3)</sup> in <sup>3</sup> /min	Max Air Consumption at 100 psi Air scfm	Usable Oil Capacity in <sup>3</sup>	Internal Hyd. Safety Relief Valve Setting psi	 lbs
WAP07008D	16:1	1920	30-120	1595	612	24	415	2000	71
WAP15008D	23:1	2760	30-120	2320	465	24	415	3000	71
WAP30008D	48:1	5280	30-110	4785	252	20	415	5500	71

- Based on 120 psi air pressure for the WAP07 and WAP15 models and 110 psi air pressure for the WAP30 model
- At 0 hydraulic flow
- At 0 psi hydraulic pressure
- Available MC-2 Cross Over Cover Plate to convert A&B outlet ports to P&T for use with remote valves
- Pump element and repair kits are available - contact Enerpac for details
- Valve manifold: 4 station DO3
- Comes with 4 MC-1 DO3 Cover Plates to isolate unused valve stations
- Air relief valve set at 145 psi

Oil Flow: 612-252 in<sup>3</sup>/min\*

Pressure: 1595-4785 psi\*

Sound Level: 75 dBA\*

Air: Max 24 scfm\*

Reservoir: 1.8 gal

Ratios: 16:1, 23:1, 48:1

\* @ 100 psi air

## Options/Accessories

Fittings\*



Gauges and Adaptors\*



Hoses\*



Manual Valves\*



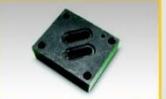
Air Operated Poppet Valves\*



Solenoid Poppet Valves\*



Cross Over Plate (Converts A & B ports to P & T Ports) Model MC-2 ▶



\*Refer to our website: [www.enerpacwh.com](http://www.enerpacwh.com)

■ Shown with Solenoid Operated Poppet Directional Valves.

